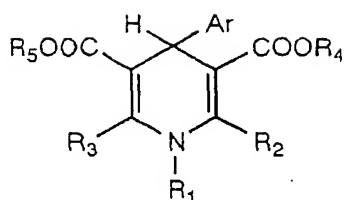


WHAT IS CLAIMED IS:

1. A process of producing a polymer optical waveguide, which comprises:
 - (a) a step of forming an undercladding layer on a substrate;
 - (b) a step of forming a photosensitive resin composition layer containing a 1,4-dihydropyridine derivative and a resin on the undercladding layer;
 - (c) a step of irradiating a region of the photosensitive resin composition layer corresponding to a core pattern with UV light through a mask to form UV light-exposed areas and UV light-unexposed areas on the photosensitive resin composition layer;
 - (d) a step of heating the UV light-exposed areas and UV light-unexposed areas of the photosensitive resin composition layer; and
 - (e) a step of forming an overcladding layer on the photosensitive resin composition layer after heating.
2. The process as claimed in claim 1, wherein the photosensitive resin composition contains 0.01 to less than 10 parts by weight, per 100 parts by weight of the resin, of the 1,4-dihydropyridine derivative.
3. The process as claimed in claim 1, wherein the resin is a polyamic acid.
4. The process as claimed in claim 1, wherein the resin is a polycarbodiimide.
5. The process as claimed in claim 1, wherein the 1,4-dihydropyridine derivative is represented by the following formula (I):



(I)

wherein Ar represents an aromatic having a nitro group at the ortho-position with respect to the bonding position to the 1,4-dihydropyridine ring; R₁ represents a hydrogen atom or an alkyl group having from 1 to 3 carbon atoms; and R₂, R₃, R₄, and R₅ each independently represent a hydrogen atom or an alkyl group having 1 or 2 carbon atoms.